

WHAT IS CLAIMED IS:

1. A communication module used in Fast Ethernet (R) comprising:
a retimer controlling a physical layer; and
a microcomputer performing general control of said communication
module, wherein

5 said microcomputer includes:

 a storing portion storing a copy of a register having a value updated
by said retimer in accordance with predetermined timing, and

 an input/output portion outputting the copy of the register stored in
said storing portion to a host device in accordance with a request by said
10 host device.

2. The communication module according to claim 1, wherein
 said storing portion further stores contents of a register defined by
10-Gb Ethernet (R) communication module multi-source agreement.

3. The communication module according to claim 1, wherein
 said microcomputer further includes a nonvolatile memory in which
the copy of the register stored in said storing portion is written in
accordance with predetermined timing.

4. A communication module for use in Fast Ethernet (R)
comprising:

 a retimer for controlling a physical layer; and
 first and second microcomputers performing general control of said
5 communication module, wherein

 said first microcomputer includes:

 a first storing portion storing a copy of a register having a value
updated by said retimer in accordance with predetermined timing, and

 a first input/output portion outputting the copy of the register stored
10 in said first storing portion to a host device in accordance with a request by
said host device; and

said second microcomputer includes:

a second storing portion storing contents of a register defined by 10-Gb Ethernet (R) communication module multi-source agreement, and

15 a second input/output portion outputting the contents stored in said second storing portion to said host device in accordance with a request by said host device.

5. The communication module according to claim 4, wherein
 said first microcomputer further includes a first nonvolatile memory in which the copy of the register stored in said first storing portion is written in accordance with predetermined timing.

6. The communication module according to claim 4, wherein
 said second microcomputer further includes a second nonvolatile memory in which the contents stored in said second storing portion are written in accordance with predetermined timing.